

CLAIMS

What is claimed is:

1. A laminate comprising:
 - a nonwoven web treated with a surfactant;
 - 5 a film comprising a core layer and at least one skin layer, the core layer comprising a percentage by weight of a micropore developing filler;
 - wherein the film is stretched in at least one direction to a percentage of its original size to become microporous, and thermally bonded to the surfactant treated nonwoven;
 - wherein the laminate is a breathable barrier compliant with ASTM F1670-95.
- 10 2. The laminate of claim 1 wherein the core layer comprises about 30% to about 75% by weight polyolefin resin and from about 70% to about 25% by weight of filler having an average size less than about 10 microns, the skin layer comprising a CATALLOY polymer.
3. The laminate of claim 1 wherein the core layer comprises about 35% to about 75% by weight polyolefin resin and from about 65% to about 25% by weight of filler.
- 15 4. The laminate of claim 1 wherein the surfactant treated nonwoven web comprises a spunbond polyolefin.
5. The laminate of claim 1 wherein the surfactant treated nonwoven web comprises a spunbond of any of polypropylene, polyethylene, a copolymer of polypropylene, and a copolymer of polyethylene.
- 20 6. The laminate of claim 1 wherein the surfactant treated nonwoven web comprises at least one layer of a meltblown polyolefin and at least one layer of a spunbond polyolefin.
7. The laminate of claim 1 wherein the filler of the stretchable film laminate comprises CaCO_3 .
8. The laminate of claim 1 wherein the laminate, tested per NFPA 702-1980, meets the 20 second or greater flame propagation criteria for a Class 1 material.
- 25 9. The laminate of claim 1 comprising a surgical drape.
10. The laminate of claim 1 wherein the laminate has a moisture vapor transmission rate of at least about $300 \text{ g/m}^2/24 \text{ hours}$.

11. The laminate of claim 1 wherein the core layer is sandwiched between a first and a second skin layer.
12. The laminate of claim 1 wherein the skin layer comprises a percentage of ethylene vinyl acetate.
13. The laminate of claim 1 wherein the core layer comprises a metallocene linear low density polyethylene.
14. The laminate of claim 1 wherein the core layer comprises a linear low density polyethylene.
15. The laminate of claim 1 wherein the skin layer comprises a CATALLOY polymer.
16. A breathable laminate compliant with ASTM F1670-95 comprising a nonwoven web treated with a surfactant thermally bonded at a plurality of bond points to a multilayer polyolefin resin film, at least one layer of the multilayer film further comprising a percentage by weight of a micropore developing filler.
17. The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises about 30% to about 75% by weight polyolefin resin and from about 70% to about 25% by weight of filler having an average size less than about 10 microns, and wherein at least one other layer comprises a CATALLOY polymer.
18. The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises about 35% to about 75% by weight polyolefin resin and from about 65% to about 25% by weight of filler.
19. The breathable laminate of claim 16 wherein the surfactant treated nonwoven web comprises a spunbond polyolefin.
20. The breathable laminate of claim 16 wherein the surfactant treated nonwoven web comprises a spunbond of any of polypropylene, polyethylene, a copolymer of polypropylene, and a copolymer of polyethylene.
21. The breathable laminate of claim 16 wherein the surfactant treated nonwoven web comprises at least one layer of a meltblown polyolefin and at least one layer of a spunbond polyolefin.
22. The breathable laminate of claim 16 wherein the filler of the stretchable film laminate comprises CaCO_3 .
23. The breathable laminate of claim 16 comprising a surgical drape.

24. The breathable laminate of claim 16 wherein the laminate has a moisture vapor transmission rate of at least about 300 g/m²/24 hours.

25. The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises a percentage of ethylene vinyl acetate.

5 26. The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises a metallocene linear low density polyethylene.

27. The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises a linear low density polyethylene.

10 28. The breathable laminate of claim 16 wherein at least some of the bond points form cohesive attachments between the web and the multilayer film.